



April 6, 2021

MATT TURNER  
HUSKY ENERGY  
2407 STINSON AVE  
SUPERIOR WI 54880

Subject: Vapor Intrusion – Short Term Risks for Trichloroethylene Vapors, Vapor Intrusion Pathway Assessment, and Immediate and Interim Actions  
MURPHY OIL - MIXER TANK #50  
2407 STINSON AVE, SUPERIOR, WI  
BRRTS# 02-16-534621 FID# 816009590

Dear Sir or Madam:

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**The purpose of this letter is to communicate three points related to vapor intrusion:**

- 1. TCE poses short-term risks to human health that justify accelerated assessment, investigation and mitigation of the vapor intrusion pathway.**
2. Assessment of the vapor intrusion pathway is part of the investigation process and should be assessed as early as possible and routinely re-assessed throughout the life of a project.
3. Immediate and interim actions may be necessary early in the site investigation process to protect human health from contaminated vapors.

We encourage you to discuss this information with your environmental consultant. The DNR believes the health risks of TCE vapors are serious enough that it should be one of *the first things* evaluated as part of a site investigation, especially at sites where contamination may impact sensitive populations. RPs should be diligent about screening for TCE in vapors as early in the site investigation process as possible, to determine if immediate actions are warranted to reduce harmful exposure.

Unfortunately, many RPs and consultants wait until late in the site investigation process, or even at case closure, before taking steps to assess the presence of vapors and any needed mitigation efforts. We are encouraging you to do this as one of the first steps in your site investigation.

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**The VOC, trichloroethylene (TCE), poses a short-term (i.e., acute) health risk in indoor air at certain concentrations that justifies expedited assessment, investigation and mitigation as immediate or interim actions** (USEPA, 2014; Makris et al., 2016). As discussed in DNR vapor intrusion guidance (see below), quickly identifying demographics is a key component of the risk assessment. This is supported by the Department of Health Services. TCE also poses a long-term (i.e., chronic) health risk.

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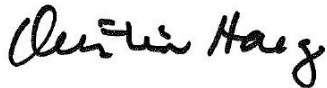
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Sincerely,



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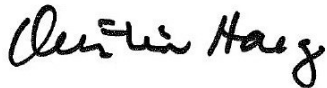
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SUPERIOR REFINING CO LLC  
2407 STINSON AVE  
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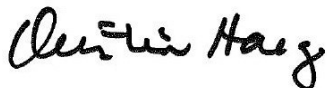
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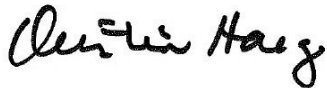
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